

ABSTRACT

**TIRE WITH ADDITIONAL RING AND BEAD HAVING A SEAT INCLINED
TOWARDS THE OUTSIDE**

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The invention concerns a tire comprising at least a first and a second bead radially extending to at least a first and a second sidewall, respectively, and the sidewalls being joined to a tread; said first bead having a seat the generatrix of which has its axially inner end on a circle of diameter greater than the diameter of the circle on which is located the axially outer end. The tire further comprises a carcass reinforcement formed of at least one carcass ply and anchored in the first bead to at least one annular bead anchoring element. When the tire is mounted on its operating rim and inflated to its recommended pressure, the meridian profile of the carcass reinforcement has a tangent to the point of tangency of the meridian profile with the anchoring element of the first bead that forms, relative to the axis of rotation, an angle open towards the outside and at most equal to 70°. The sidewall further comprises an inextensible additional sidewall ring located axially to the inside of at least an axially outermost carcass reinforcement ply and a profiled rubber mix element located radially between the annular anchoring element of the bead and the additional ring of the sidewall and axially located to the inside of the axially outermost ply.

25 FIG. 1.